Changed the margins in cases where the sequence text was "wrapped" do to the next line.  Edited a format error in the Current Application Data section, specifically to the next line.
the neglection of the neglection of the number inputted by the
Edited the Current Application Data section with the actual current number. The number inputted by the applicant was the prior application data; or other
Added the mandatory heading and subheadings for "Current Application Data".
Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.
Changed the spelling of a mandatory field (the headings or subheadings), specifically:
Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were:
Inserted of corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:
Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.
Inserted colons after headings/subheadings. Headings edited included: RECEIVED
Deleted extra, invalid, headings used by an applicant, specifically:
Deleted: ☐ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file ☐ page numbers throughout text; ☐ other invalid text, such as
Inserted mandatory headings, specifically:
Corrected an obvious error in the response, specifically:
Edited identifiers where upper case is used but lower case is required, or vice versa.
Corrected an error in the Number of Sequences field, specifically:
A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.
Deleted <i>ending</i> stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a Patentin bug). Sequences corrected:
Other: Sign/02-algred onew aid nos

\*Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

RAW SEQUENCE LISTING DATE: 05/15/2000 PATENT APPLICATION: US/09/405,735 TIME: 13:25:57

Input Set : A:\Pto.amc

Output Set: N:\CRF3\05152000\1405735.raw

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 6 <120> TITLE OF INVENTION: Methods and Products for Treating
          Pseudomonas Infection
 9 <130> FILE REFERENCE: B0801/7155 (HCL)
11 <140> CURRENT APPLICATION NUMBER: 09/405,735
12 <141> CURRENT FILING DATE: 1999-09-24
14 <150> PRIOR APPLICATION NUMBER: US 08/681,838
15 <151> PRIOR FILING DATE: 1996-07-29
17 <160> NUMBER OF SEQ ID NOS: 4
19 <170> SOFTWARE: FastSEQ for Windows Version 3.0
21 <210> SEQ ID NO: 1
22 <211> LENGTH: 6129
23 <212> TYPE: DNA
24 <213> ORGANISM: Homo Sapiens
26 <220> FEATURE:
27 <221> NAME/KEY: CDS
28 <222> LOCATION: (133)...(4575)
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                                                                                                60
                                                                                               120
   gcccgagaga cc atg cag agg tcg cct ctg gaa aag gcc agc gtt gtc tcc
Met Gln Arg Ser Pro Leu Glu Lys Ala Ser Val Val Ser
                                                                                               171
33
                       1 5
    aaa ctt ttt ttc agc tgg acc aga cca att ttg agg aaa gga tac aga
Lys Leu Phe Phe Ser Trp Thr Arg Pro Ile Leu Arg Lys Gly Tyr Arg
15 20 25
35
37
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                                                                                               267
43
     gct gac aat cta tct gaa aaa ttg gaa aga gaa tgg gat aga gag ctg
Ala Asp Asn Leu Ser Glu Lys Leu Glu Arg Glu Trp Asp Arg Glu Leu
                                                                                                315
45
                                                   55
                         50
47
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49
     Ala Ser Lys Asn Pro Lys Leu Ile Asn Ala Leu Arg Arg Cys Phe
65 70 75
50
     ttc tgg aga ttt atg ttc tat gga atc ttt tta tat tta ggg gaa gtc Phe Trp Arg Phe Met Phe Tyr Gly Ile Phe Leu Tyr Leu Gly Glu Val 80 85 90
                                                                                                411
 53
     acc aaa gca gta cag cct ctc tta ctg gga aga atc ata gct tcc tat
Thr Lys Ala Val Gln Pro Leu Leu Gly Arg Ile Ile Ala Ser Tyr
                                                                                                459
                                  100
     gac ccg gat aac aag gag gaa cgc tct atc gcg att tat cta ggc ata
                                                                                                507
 61
     Asp Pro Asp Asn Lys Glu Glu Arg Ser Ile Ala Ile Tyr Leu Gly Ile
110 115 120
                              115
     110
     ggc tta tgc ctt ctc ttt att gtg agg aca ctg ctc cta cac cca gcc
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     Gly Leu Cys Leu Leu Phe Ile Val Arg Thr Leu Leu His Pro Ala
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79	-	175			1		180					185							
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82	Lys	Dho	7en	Glu	Clv	1.011	Δla	T.e.ii	λla	His	Phe	Val	Trn	Tle	Ala	Pro	0		
83	190	riic	nsp	Gra	GLy	195	,,_u	Deu			200					20			
85	ttg		a+a	~~~	ata		2+4	aaa	cta			nan	tta	tta	cad		_	795	
-																		755	
86	Leu	GIN	val	Ald		Leu	met	GIA			тъ	GIU	neu	пец	220	AT.	.u		
87					210					215			~~~	~++			. ~	843	
89	tct	gcc	ttc	tgt	gga	ctt	ggt	ttc	ctg	ata	gtc	CLL	31-	Tan	Dha	Cay		043	
90	Ser	Ala	Phe		Gly	Leu	GIA			He	Val	Leu	Ala		Pne	GI	.n		
91				225					230					235				0.01	
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94	Ala	Gly	Leu	Gly	Arg	Met	Met	Met	Lys	${ t Tyr}$	Arg	Asp		Arg	Ala	Gl	-У		
95			240					245					250						
97	aag	atc	agt	gaa	aga	ctt	gtg	att	acc	tca	gaa	atg	att	gaa	aat	at	:c	939	
98	Lys	Ile	Ser	Glu	Arg	Leu	Va1	Ile	Thr	Ser	Glu	Met	Ile	Glu	Asn	11	.e		
99	•	255			-		260					265							
101	caa	t.c1	att	aag	г фса	tac	tac	tqq	gaa	gaa	gça	atg	gaa	aaa	ate	g a	ıtt	987	
102				Lys															
103	270			1		275		-			280			-			285		
105			· ++:	aga	caa			cta	ааа	cta	act	caa	aac	ι ας	a acc	e t	at	1035	
106	Clu	λ α	TO	ı Arç	. Cln	Thr	. Glu	T.e.11	Lvs	Leu	Thr	Aro	Tive	. Ala	a Ála	а Tr	'vr		
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111				305							2+0						1+0	1131	MAX 30 5000
113				tct														1131	MM 20 rose
114	Val	. Phe		ı Ser	· Val	. Leu	Pro			Leu	116	г гуз			3 TT6	e L	Jeu		
115			320					325					330					1170	TECH CENTER 1600/2900
117	cgg	aaa	a ata	tto	acc	acc	ato	tca	ttc	tgc	att	gtt	. ct	g cgo	ate	g g	geg	1179	JECH CENTER TORONS
118	Arg			Phe	Thr	Thr			Phe	Cys	IΙε			ı Ar	g Met	t A	\1a		-
119		33					340					345							<u> </u>
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122	Val	Thi	r Arg	Glr	n Phe	e Pro	Trp	Ala	. Val	Gln	Thr	Trp	Туз	: Asj	Sei	r L	Leu		
123	350	) .				355	i				360	1				3	365		
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174									gct								1851
175	Leu	Ald	560	Ald	Val	TAL	гаг	565	Ala	Asp	Leu	Tyr		Leu	Asp	ser	
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RAW SEQUENCE LISTING DATE: 05/15/2000 TIME: 13:25:57

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	2235
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	2331
210 Leu Ash Pro Ite and 710 211 213 ccc tta caa atg aat ggc atc gaa gag gat tct gat gag cct tta gag 213 ccc tta caa atg aat ggc atc gaa gag gat tct gat gag cct tta gag 214 Pro Leu Gln Met Ash Gly Ile Glu Glu Asp Ser Asp Glu Pro Leu Glu 214 Pro Leu Gln Met Ash Gly Ile Glu Glu Asp Ser Asp Glu Pro Leu Glu 215 730	
	2379
215 /20 and the test that get a coa gat test gag cag gga gag gag get all Leu	
	2427
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	2571
	23,2
230 Asn lie His Asy 790 790 231 785 785 233 cct cag gca aac ttg act gaa ctg gat ata tat tca aga agg tta tct 233 cct cag gca aac ttg act gaa ctg gat ata tat tca aga agg tta tct 234 Pro Gln Ala Asn Leu Thr Glu Leu Asp Ile Tyr Ser Arg Arg Leu Ser 234 Pro Gln Ala Asn Leu Thr Glu Leu Asp Ile Tyr Ser Arg Arg Leu Ser 235 236 236 236 236 236 236 236 236 236 236	
	2619
234 Pro Gli Ala Asii 200 805 235 800 237 Caa gaa act ggc ttg gaa ata agt gaa gaa att aac gaa gaa gac tta 237 Caa gaa act ggc ttg gaa ata agt gaa gaa att aac gaa gaa gac tta	
235 800 237 Caa gaa act ggc ttg gaa ata agt gaa gaa att aac gaa gad gab 237 Caa gaa act ggc ttg gaa ata agt gaa gaa att aac gaa gad gab 238 Gln Glu Thr Gly Leu Glu Ile Ser Glu Glu Ile Asn Glu Glu Asp Leu 238 Gln Glu Thr Gly Leu Glu Ile Ser Glu Glu Ile Asn Glu Glu Asp Leu 238 Gln Glu Thr Gly Leu Glu Ile Ser Glu Glu Ile Asn Glu Glu Asp Leu	
	2667
239 815 gat atg gat atg gag age ata cea gea get	
	2715
242 Lys Glu Cys Bet 1840 835 243 830 245 tgg aac aca tac ctt cga tat att act gtc cac aag agc tta att ttt 245 tgg aac aca tac ctt cga tat att act gtc cac aag agc tta att ttt 246 tgg aac aca tac ctt cga tat att act gtc cac aag agc tta att ttt 247 tgg aac aca tac ctt cga tat att act gtc cac aag agc tta att ttt 248 tgg aac aca tac ctt cga tat att act gtc cac aag agc tta att ttt 249 tgg aac aca tac ctt cga tat att act gtc cac aag agc tta att ttt	
	0763
	2763
247 249 gtg cta att tgg tgc tta gta att ttt ctg gca gag gtg gct gal Ala Ala Ser 250 Val Leu Ile Trp Cys Leu Val Ile Phe Leu Ala Glu Val Ala Ala Ser 875 870	
	2811
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259 895 261 acc agt tcg tat tat gtg ttt tac att tac gtg gga gta goo gan Thr 262 Thr Ser Ser Tyr Tyr Val Phe Tyr Ile Tyr Val Gly Val Ala Asp Thr 262 Thr Ser Ser Tyr Tyr 152 920	
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267 at a sea gtg tcg aaa att tta cac cac aaa atg tta cac ser val Leu	
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270 The Thr val Set 212 950 950 gg att ctt	3051
270 Ile Thr Val Ser Lys IIc 3950 271 273 caa gca cct atg tca acc ctc aac acg ttg aaa gca ggt ggg att ctt 273 caa gca cct atg tca acc ctc aac acg ttg aaa gca ggt ggg att ctt 274 Gln Ala Pro Met Ser Thr Leu Asn Thr Leu Lys Ala Gly Gly Ile Leu 274 Gln Ala Pro Met Ser Thr Leu Asn Thr Leu Lys Ala Gly Gly Ile Leu 276 965	
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278 Asn Arg Phe Ser Lys 839 980 985 279 975 281 acc ata ttt gac ttc atc cag ttg tta tta att gtg att gga gct ata 281 acc ata ttt gac ttc atc cag ttg tta tta att gtg att gga gct ata 281 acc ata ttt gac ttc atc cag ttg tta tta att gtg att gga gct ata 281 acc ata ttt gac ttc atc cag ttg tta tta att gtg att gga gct ata 281 acc ata ttt gac ttc atc cag ttg tta tta att gtg att gga gct ata 281 acc ata ttt gac ttc atc cag ttg tta tta att gtg att gga gct ata 281 acc ata ttt gac ttc atc cag ttg tta tta att gtg att gga gct ata 281 acc ata ttt gac ttc atc cag ttg tta tta att gtg att gga gct ata 281 acc ata ttt gac ttc atc cag ttg tta tta att gtg att gga gct ata	3147
279 975 281 acc ata ttt gac ttc atc cag ttg tta tta att gtg atc gga geg 281 acc ata ttt gac ttc atc cag ttg tta tta att gtg atc gga geg 282 Thr Ile Phe Asp Phe Ile Gln Leu Leu Leu Ile Val Ile Gly Ala Ile 282 Thr Ile Phe Asp Phe Ile Gln Leu Leu Leu Ile Val Ile Gly Ala Ile 282 Thr Ile Phe Asp Phe Ile Gln Leu Leu Leu Ile Val Ile Gly Ala Ile 283 Thr Ile Phe Asp Phe Ile Gln Leu Leu Leu Ile Val Ile Gly Ala Ile 284 Thr Ile Phe Asp Phe Ile Gln Leu Leu Leu Ile Val Ile Gly Ala Ile 285 Thr Ile Phe Asp Phe Ile Gln Leu Leu Leu Ile Val Ile Gly Ala Ile 286 Thr Ile Phe Asp Phe Ile Gln Leu Leu Leu Ile Val Ile Gly Ala Ile 287 Thr Ile Phe Asp Phe Ile Gln Leu Leu Leu Ile Val Ile Gly Ala Ile 288 Thr Ile Phe Asp Phe Ile Gln Leu Leu Leu Ile Val Ile Gly Ala Ile 289 Thr Ile Phe Asp Phe Ile Gln Leu Leu Leu Ile Val Ile Gly Ala Ile 280 Thr Ile Phe Asp Phe Ile Gln Leu Leu Leu Ile Val Ile Gly Ala Ile 280 Thr Ile Phe Asp Phe Ile Gln Leu Leu Ile Val Ile Gly Ala Ile 280 Thr Ile Phe Asp Phe Ile Gln Leu Leu Ile Val Ile Gly Ala Ile Gly Ala Ile 280 Thr Ile Phe Asp Phe Ile Gln Leu Leu Ile Val Ile Gly Ala Il	
281 acc ata tit gas Phe Ile Gln Leu Leu Leu Ile Val 120 1005	-105
282 Thr Ile Phe ASP File 995 283 990 285 gca gtt gtc gca gtt tta caa ccc tac atc ttt gtt gca aca gtg cca 285 gca gtt gtc gca gtt tta caa ccc tac atc ttt gtt gca aca gtg cca 285 gca gtt gtc gca gtt tta caa ccc tac atc ttt gtt gca aca gtg cca 285 gca gtt gtc gla gtt gca gtt gca gtt gca aca gtg cca 280 1000	3195
283 990 att gra get tta caa ccc tac att ttt gt get att Yal Pro	
283 990 285 gca gtt gtc gca gtt tta caa ccc tac atc ttt gtt gca ack den Pro 285 gca gtt gtc gca gtt tta caa ccc tac atc ttt gtt gca ack den Pro 286 Ala Val Val Ala Val Leu Gln Pro Tyr Ile Phe Val Ala Thr Val Pro 286 Ala Val Val Ala Val Leu Gln Pro Tyr Ile Phe Val Ala Thr Val Pro 287 1010	
286 Ala val val all 1010 1015 tot the ctc caa acc tea	3243
286 Ala Val Val Ala Val Dob 1015 287 289 gtg ata gtg gct ttt att atg ttg aga gca tat ttc ctc caa acc tca 289 gtg ata gtg gct ttt att atg ttg aga gca tat ttc ctc caa acc tca 289 gtg ata gtg gct ttt att atg ttg aga gca tat ttc ctc caa acc tca	
287 289 gtg ata gtg gct ttt att atg ttg aga gca tat ttc etc cdd ath Ser 289 gtg ata gtg gct ttt att atg ttg aga gca tat ttc etc cdd ath Ser 290 Val Ile Val Ala Phe Ile Met Leu Arg Ala Tyr Phe Leu Gln Thr Ser 290 Val Ile Val Ala Phe Ile Met Leu Arg Ala Tyr Phe Leu Gln Thr Ser 1035	0.1
290 Val Ile Val Ala File 123 1030 1025 291 1025 293 cag caa caa caa ctg gaa tct gaa ggc agg agt cca att ttc act gaa caa caa ctg gaa tct gaa ggc agg agt cca att ttc act gaa caa caa caa ctg gaa tct gaa ggc agg agt cca att ttc act gaa ggc agg agt cca att tt	3291
291 and and can ctg gan tot gan ggc agg agg to The Phe Thr	
291 1025 293 cag caa ctc aaa caa ctg gaa tct gaa ggc agg agt cea att Phe Thr 294 Gln Gln Leu Lys Gln Leu Glu Ser Glu Gly Arg Ser Pro Ile Phe Thr 294 Gln Gln Leu Lys Gln Leu Glu Ser Glu Gly Arg Ser Pro Ile Phe Thr	
294 Gln Gln Leu Lys Gln Lots 1045 295 1040 1045 297 cat ctt gtt aca agc tta aaa gga cta tgg aca ctt cgt gcc ttc gga 297 cat ctt gtt aca agc tta aaa gga cta tgg aca ctt cgt gcc ttc gga	3339
295 1040 agg tta aaa gga cta tgg aca ctt cgc soo Phe Gly	
295 1040 297 cat ctt gtt aca agc tta aaa gga cta tgg aca ctt cgt gtc ttb gJ 297 cat ctt gtt aca agc tta aaa gga cta tgg aca ctt cgt gtc ttb gJ 298 His Leu Val Thr Ser Leu Lys Gly Leu Trp Thr Leu Arg Ala Phe Gly 298 His Leu Val Thr Ser Leu Lys Gly Leu Trp Thr Leu Arg Ala Phe Gly 298 Got Ctg aat tta cat	
298 His Leu Val Thr Ser 1060 1060 299 1055 301 cgg cag cct tac ttt gaa act ctg ttc cac aaa gct ctg aat tta cat 301 cgg cag cct tac ttt gaa act ctg ttc cac aaa gct ctg aat tta cat 1085	3387
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299 1055 301 cgg cag cct tac ttt gaa act ctg ttc cac aaa gct ctg dat Leu His 302 Arg Gln Pro Tyr Phe Glu Thr Leu Phe His Lys Ala Leu Asn Leu His 1080 1080 1075 1075	- 125
302 Arg Gln Pro Tyr File 1075  303 1070  305 act gcc aac tgg ttc ttg tac ctg tca aca ctg cgc tgg ttc caa atg  305 act gcc aac tgg ttc ttg tac ctg tca aca ctg cgc tgg ttc caa atg  1100	3435
303 1070 305 act gcc aac tgg ttc ttg tac ctg tca aca ctg cgc tgg ttc tda 305 305 act gcc aac tgg ttc ttg tac ctg tca aca ctg cgc tgg ttc tda 306 306 Thr Ala Asn Trp Phe Leu Tyr Leu Ser Thr Leu Arg Trp Phe Gln Met 306 Thr Ala Asn Trp Phe Leu Tyr Leu Ser Thr Leu Arg Trp Phe Gln Met 1090	
305 act gcc act cys Trp Phe Leu Tyr Leu Ser Thr Leu Alg 1100	2402
306 Thr Ala Ash 119 1090 1095	3483
306 Thr Ala Asn TTP File 200 1095 307 1090 309 aga ata gaa atg att ttt gtc atc ttc att gct gtt acc ttc att 309 aga ata gaa atg att ttt gtc atc ttc ttc att gct gtt acc ttc att 3115	
307 309 aga ata gaa atg att ttt gtc atc ttc ttc att gct gtt atc ttc 310 Arg Ile Glu Met Ile Phe Val Ile Phe Phe Ile Ala Val Thr Phe Ile 310 Arg Ile Glu Met Ile Phe Val Ile Phe Val Ile Phe Val Ile Phe Val Ile Catt gtt att atc ctg	2521
310 Arg 11e Gid Met 22 1110 1110 1110	3531
310 Arg Ile Glu Met Ile File 1110 311 311 312 313 tcc att tta aca aca gga gaa gga gga aga ggt ggt att atc ctg 313 tcc att tta aca aca gga gaa gga gga aga gga aga ggt ggt gly Ile Ile Leu	
311 103 313 tcc att tta aca aca gga gaa gga gga gga gga gga gg	3579
314 Ser He Leu Thi Thi 322 1125 1130 315 1120 1125 1126 317 act tta gcc atg aat atc atg agt aca ttg cag tgg gct gta aac tcc 317 act tta gcc atg aat atc atg agt aca ttg cag tgg gct gta aac tcc	3519
315 1120 atg aat atc atg agt aca ttg cag tyg goo yal Asn Ser	
315 1120 317 act tta gcc atg aat atc atg agt aca ttg cag tgg gct gtd ats 318 Thr Leu Ala Met Asn Ile Met Ser Thr Leu Gln Trp Ala Val Asn Ser 318 Thr Leu Ala Met Asn Ile Met Ser Thr Leu Gln Trp Ala Val Asn Ser	2627
318 Thr Leu Ala Met Ash 1140 319 1135 321 agc ata gat gtg gat agc ttg atg cga tct gtg agc cga gtc ttt aag 321 agc ata gat gtg gat agc ttg atg cga tct gtg agc cga gtc ttt aag 321 agc ata gat gtg gat agc ttg atg cga tct gtg agc cga gtc ttt aag 321 lagc ata gat gtg gat agc ttg atg cga tct gtg agc cga gtc ttt aag 321 agc ata gat gtg gat agc ttg atg cga tct gtg agc cga gtc ttt aag 321 lagc ata gat gtg gat agc ttg atg cga tct gtg agc cga gtc ttt aag 321 lagc ata gat gtg gat agc ttg atg cga tct gtg agc cga gtc ttt aag 321 lagc ata gat gtg gat agc ttg atg cga tct gtg agc cga gtc ttt aag 321 lagc ata gat gtg gat agc ttg atg cga tct gtg agc cga gtc ttt aag 321 lagc ata gat gtg gat agc ttg atg cga tct gtg agc cga gtc ttt aag 321 lagc ata gat gtg gat agc ttg atg cga tct gtg agc cga gtc ttt aag	3627
319 1135 at gat gtg gat agc ttg atg cga tct gtg agc cyal Ser Arg Val Phe Lys	
319 1135 321 agc ata gat gtg gat agc ttg atg cga tct gtg agc cga gcc 321 agc ata gat gtg gat agc ttg atg cga tct gtg agc cga gcc 1165 322 Ser Ile Asp Val Asp Ser Leu Met Arg Ser Val Ser Arg Val Phe Lys 1160 1160 1155	3675
322 Ser Ile Asp Val Asp Scr 1160 323 1150 325 ttc att gac atg cca aca gaa ggt aaa cct acc aag tca acc aaa cca 325 ttc att gac atg cra aca gaa ggt aaa cct acc asg tca acc aaa cca 325 ttc att gac atg cca aca gaa ggt aaa cct acc aag tca acc aaa cca 325 ttc att gac atg cca aca gaa ggt aaa cct acc aag tca acc aaa cca 325 ttc att gac atg cca aca gaa ggt aaa cct acc aag tca acc aaa cca 326 ttc att gac atg cca aca gaa ggt aaa cct acc arg tca acc aaa cca 327 ttc att gac atg cca aca gaa ggt aaa cct acc aag tca acc acc acc acc acc acc acc acc acc	
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325 ttc att gac atg son Thr Glu Gly Lys Pro Thr Lys Sez 1180	3723
326 Phe Ile ASP Net 110 1175	3123
326 Phe Ile Asp Met Plo III 5 1175 327 329 tac aag aat ggc caa ctc tcg aaa gtt atg att att gag aat tca cac	
329 tac aag dat 990 one	

VERIFICATION SUMMARY PATENT APPLICATION: US/09/405,735

DATE: 05/15/2000 TIME: 13:25:58